Amendments to the Claims

Please cancel claims 10-127 without prejudice or disclaimer.

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for identifying an inhibitor of cysteine:glucosaminyl inositol ligase comprising:
   a) contacting a candidate compound with a cysteine:glucosaminyl inositol ligase in the presence of a cysteine and a glucosaminyl inositol, under suitable conditions, and
   b) determining the presence or absence of ligation of the cysteine to the glucosaminyl inositol,

   wherein the substantial absence of the ligation is indicative of a candidate compound that inhibits activity of the ligase.

2. (Previously Presented) The method of claim 1, wherein the cysteine:glucosaminyl inositol ligase is characterized as having:
   a) an amino acid sequence with 54% or more sequence identity to SEQ ID NO: 2 or 4, and
   b) cysteine:glucosaminyl inositol ligase activity.

3. (Original) The method of claim 1, wherein the cysteine is L-cysteine.

4. (Withdrawn) The method of claim 1, wherein the derivative is D-glucosamine.

5. (Withdrawn) The method of claim 1, wherein the derivative of glucosaminyl inositol is a fluorescent derivative of glucosaminyl inositol.

6. (Original) The method of claim 1, wherein the conditions comprise the presence of ATP.

7. (Original) The method of claim 6, wherein the glucosaminyl inositol is 1D-*myo*-inosityl 2-amino-2-deoxy-α-D-glucopyranoside.

8. (Original) The method of claim 1, wherein the ligase is produced in an actinomycete.

9. (Original) The method of claim 1, wherein the candidate compound is a polypeptide, polynucleotide or small molecule.

Claims 10-127 (Canceled)